GENERAL NOTES

1. (i). Sizes and material types are from field verification. When not attainable, they are noted per record plans (QL-B).

2. (ii). All the following utility owners were reported to have facilities within the vicinity of this project at the time of the SUE investigation. Utilities found within the los at the time of the sue investigation are noted for each utility owner listed and are shown on the plans hereon.

Utility Owner	Contact Name	Contact Number	E-Mail
AGL Resources	Bruce Broach	404-584-4149	bbroach@aglresources.com
AT&T	David Wagoner	404-532-7704	david.wagoner@att.com
Charter Communications	Jimmy Price	404-597-2712	jimmy.price@chartercom.com
City of Buford - Gas	Daren Perkins	770-945-6761	dperkins@cityofbuford.com
GA Power Distribution	John Gay	404-291-0622	jcgay@southernco.com
GA Power Transmission	Dan Everitt	770-533-3136	deeveritt@southernco.com
GA Transmission Corporation	Karl Ledford	770-270-7990	karl.ledford@gatrans.com
Gwinnett County Water & Sewer	Tony Harris	678-472-0069	tharris@gwinnettcounty.com
Jackson EMC	Daniel Phillips	770-822-3265	dphillips@jacksonemc.com
Williams Pipeline	L.C. Zellner	678-230-3664	l.c.zellnerv@williams.com
Zayo Fiber Systems	Todd Swafford	678-666-2482	todd.swafford@zayo.com

GEORGIA 811 Utilities Protection Center, Inc
Know what's below. Call before you dig.

3. All borrow and waste sites for this project shall be environmentally approved prior to construction activities occurring in them. All common fill or excess material disposed outside the project right of way shall be placed in either a permitted solid waste facility, a permitted inert waste landfill or in an engineered fill. : See Section 201 of the Standard Specification and Supplements thereto for additional information.

4. A Notice of Intent is required.

5. There is no suitable place to bury bridge debris within the project's limits. The Contractor shall provide an environmentally approved site to dispose of existing bridge debris at no additional cost to the Department.

6. All driveways that are to be reconstructed shall be placed in kind i.e. asphalt for asphalt, concrete for concrete, and aggregate surface course for dirt drives. Driveway relocations are shown from the best available data. The contractor shall construct new driveways to match the actual field location of existing driveways or as located in the plans. Residential drives shall be 14 feet wide at the throat unless noted other- wise in the plans. Commercial drives shall be 24 feet wide unless noted otherwise in the plans. The contractor shall obtain the approval from the engineer prior to making any revisions to location, width, and/or number of drives to be constructed. Required driveway easements not shown on the plans shall be acquired. Drives shall be constructed using:

   ASPHALT - RESIDENTIAL - ASPH CONC 9.5mm SUPERPAVE (140 LB/SY), 6" GRADED AGGREGATE BASE
   COMMERICAL - 1-1/2" ASPH CONC 12.5mm SUPERPAVE (165 LB/SY), 2" ASPH CONC 19mm SUPERPAVE (220 LB/SY), 6" GRADED AGGREGATE BASE

   CONCRETE - RESIDENTIAL - DRIVEWAY CONCRETE, 6" THICK
   COMMERCIAL - DRIVEWAY CONCRETE, 8" THICK

   GRAVEL - 6" GRADED AGGREGATE BASE

7. See Plans for Orange Barrier Fence locations.

8. Contractor shall supply the removed cable barrier elements to the district construction staff. Contractor to deliver to GDOT Maintenance Headquarters in Jackson County.

9. This project contains post-construction stormwater (permanent) BMPs. Post-construction BMPs shall be built per the plans and special provisions. Field modifications are not allowed unless approved by the Engineer of Record.

10. The contractor shall ensure that no construction-related activities (such as the use of easements, staging, construction, vehicular use, borrow or waste activites, sediment basins, trailer placement, etc.) occur under the drip line of existing trees to remain in the Right of Way. This DOES NOT APPLY to trees within the construction limits or limits of disturbance that will be removed or destroyed to allow for construction. Include eradication of invasive species, if encountered per Specification Section 201-Clearing and Grubbing Right of Way, 201.3.05.A.

11. BOX CULVERT REQUIREMENTS

Minimum fill height from top of culvert to bottom of base within travel way shall be 12 inches.

Maximum pour length shall not exceed 30 feet along the length of the culvert.

Traverse construction joints shall be placed in the barrel, normal to the centerline of culvert, at the outside shoulder break points. Longitudinal barrel reinforcing steel shall not be continuous through these joints, provided that the joints are more than 15 feet from the barrel ends. When transverse construction joints occur within 15 feet of the barrel ends or within the limits of the pavement, the longitudinal barrel reinforcing shall then be continuous through such joints. The minimum length of lap splice for longitudinal reinforcing shall be 24 inches.

Transverse construction joints placed at any other location not specified above shall be formed with no longitudinal reinforcing steel passing through the joints.

12. All pipes that are to be installed under the existing roadway shall be Jacked or Bored through the limits of the existing travel way.

13. GUARDRAIL

All type 12 guardrail anchorages shall be non-flared unless specified otherwise in the plans.

14. RIP-RAP

Rip-rap shall be placed as shown in the plans and in accordance with thickness and construction requirements in GDOT Construction Detail D-55

14. SIGN REMOVAL

All sign removal and relocation notations can be found in the Signing & Marking Plans.

pH: 5.95
Resistivity: 7650

Project No.: NHIMO-0085-02(164) County: GWINNETT P.I. No.: 0110600

Pipe Culvert Material Alternates
For Piedmont/Blue Ridge Region

TYPE OF PIPE INSTALLATION			CONCRETE	CORRUGATED STEEL AASHTO M-36		CORRU-GATED ALUMINUM AASHTO M-196	PLASTIC			
				ALUMINUM COATED (TYPE 2) CORR. STEEL	PLAIN ZINC COATED	PLAIN UNCOATED ALUMINUM	CORR. POLY-ETHYLENE AASHTO M-252	CORR. POLY-ETHYLENE SMOOTHED LINED AASHTO M-294 TYPE "S"	POLY VINYL CHLORIDE (PVC) PROFILE WALL AASHTO M-304	POLY VINYL CHLORIDE (PVC) CORRUGATED SMOOTH INTERIOR ASTM F-949
STORM DRAIN	LONGITUDINAL INTERSTATE AND TRAVEL BEARING		X							
	LONGITUDINAL NON-INTERSTATE AND NON-TRAVEL BEARING		X	X		X		X	X	X
	CROSS DRAIN GRADE ≤ 10%	ADT < 250	X	X		X		X	X	X
		250 < ADT < 1,500	X	X*		X		X	X	X
		1,500 < ADT < 15,000	X					X	X	X
		ADT > 15,000	X							
	CROSS DRAIN GRADE > 10%	ADT < 250		X		X		X	X	X
		ADT > 250				X		X	X	X
SIDE DRAIN			X	X		X		X	X	X
PERMANENT SLOPE DRAIN				X	X	X		X	X	X
PERFORATED UNDERDRAIN				X	X	X	X	X		X

* This type pipe can be used if the addition of Type "B" Coating (AASHTO M-190, Half Bituminous Coated with Paved Invert) is utilized.

NOTES:

1 Allowable materials are indicated by an "X".

2 Structural requirements of storm drain pipe will be in accordance with Georgia Standard 1030-D or 1030-P, whichever is applicable, and the Standard Specifications.

3 Graded aggregate backfill shall be used in cross drain applications for all plastic pipes (AASHTO M-294, HDPE pipe; AASHTO M-304, PVC pipe; ASTM F-949, PVC pipe).

4 The Contractor shall provide additional storm sewer capacity calculations if a pipe material other than concrete is selected.

5 Pipe used under mechanically stabilized earth (MSE) walls, within MSE wall backfill, or within five feet of an MSE wall face shall be Class V Concrete Pipe.

6 Project specific pH and Resistivity values are entered into the respective boxes above to determine allowable pipe materials.

Rev. 03-22-10

ARCADIS Design & Consultancy for natural and built assets

RELEASE FOR CONSTRUCTION 07/27/2016

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: INNOVATIVE DELIVERY

GENERAL NOTES

PROJECT: I-85 NORTH EXPRESS LANE EXTENSION
COUNTY: GWINNETT

DRAWING No. 04-001

3/1/2007 GPLN